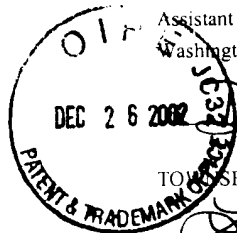


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Assistant Commissioner for Patents
Washington, D.C. 20231

PATENT
Attorney Docket No.: 015280-405100US
Client Reference No.: DHHS No. E-293-99/0



TOWNSEND and TOWNSEND and CREW LLP

By Jawanna J. Baid

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LEPPLA et al.

Application No.: 10/088,952

Filed: March 22, 2002

For: MUTATED ANTHRAX TOXIN
PROTECTIVE ANTIGEN PROTEINS
THAT SPECIFICALLY TARGET
CELLS CONTAINING HOIGH
AMOUNTS OF CELL-SURFACE
METALLOPROTEINASES OR
PLASMINOGEN ACTIVATOR
RECEPTORS

Examiner: Not yet assigned

Art Unit: Not yet assigned

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed.

Also enclosed is a copy of the Search/Examination report corresponding to the PCT application.

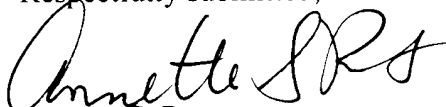
It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

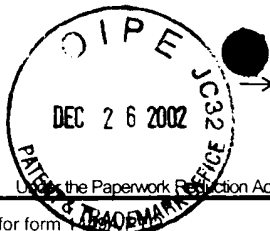
This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Annette S. Parent
Reg. No. 42,058

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
ASP:dk



PTO/SB/08A (10-01)

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Substitute for form 1

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/088,952
Filing Date	March 22, 2002
First Named Inventor	Leppla, Stephen
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	015280-405100US

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U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA	US-5,677,274	10/14/97	Leppla et al.	
	AB	US-5,817,771	10/06/98	Hagen et al.	
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			
	AT	US-			

FOREIGN PATENT DOCUMENTS

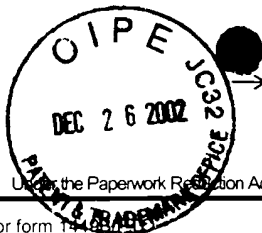
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	AU						<input type="checkbox"/>
	AV						<input type="checkbox"/>
	AW						<input type="checkbox"/>
	AX						<input type="checkbox"/>
	AY						<input type="checkbox"/>
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	BA						<input type="checkbox"/>
	BB						<input type="checkbox"/>

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional) ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04 ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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SF 1416157 v1



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Substitute for form 10-01

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 2

Complete if Known

Application Number	10/088,952
Filing Date	March 22, 2002
First Named Inventor	Leppla, Stephen
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	015280-405100US

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BC	LIAW, L and CRAWFORD, H.C., "Functions of the extracellular matrix and matrix degrading proteases during tumor progression" Braz. J. of Med. and Biol. Res. (1999) 32:805-812	
	BD	MAZAR, A.P. and JONES, T.R., Abstract, XP-002131000, #146 "High-affinity, small cyclic peptide urokinase plasminogen activator receptor (uPAR)-targeting ligands localize reporter and therapeutic conjugates to the surfaces of tumor cells and stimulated endothelial cells," Angt. Phar.	
	BE		
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	BG		
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	BM		

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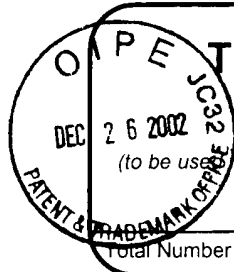
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/088,952 ✓
Filing Date	March 22, 2002
First Named Inventor	Leppla, Stephen
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	015280-405100US

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Total Number of Pages in This Submission

115

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Reply

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s)

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify below)

Return Postcard; Information Disclosure Statement w/SB/08A and SB/08B (4 pgs., 2 copies); Ref. #1 (62 pgs.); Ref. #2 (29 pgs.); Ref. #3 (8 pgs.); Ref. #4 (1 pg.); Int'l Search Report (8 pgs.).

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name

Townsend and Townsend and Crew LLP

Annette S. Parent

Reg. No. 42,058

Signature

Annette S. Parent

Date

December 18, 2002

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